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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,501	03/15/2004	Kevin A. Seiling	01-180 CIP	9350

30058 7590 05/24/2005

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PITTSBURGH, PA 15222

EXAMINER
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VO, HAI

ART UNIT	PAPER NUMBER
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1771

DATE MAILED: 05/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/800,501

Applicant(s)

SEILING, KEVIN A.

Examiner

Hai Vo

Art Unit

1771

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2004.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.  
4a) Of the above claim(s) 9-17 and 25-33 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-8, 18-24 and 34-44 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 06 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 0706.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-8, 18-24, and 34-44, drawn to a deck plank, classified in class 428, subclass 317.9.
  - II. Claims 9-17 and 25-33, drawn to a process of making a deck plank, classified in class 264, subclass various.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process as claimed can be used to make other and materially different product such as PVC /wood flour.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Frederick Tolhurst on 05/16/2005 a provisional election was made with traverse to prosecute the invention of Group I, claims 1-8, 18-24, and 34-44. Affirmation of this election must be

made by applicant in replying to this Office action. Claims 9-17 and 25-33 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

***Claim Objections***

2. Claim 39 is objected to because of the following informalities: The term "chloroflorocarbons" is misspelled. Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, 5-8, 34, 40-42 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320). Detterman discloses a foam material for use in fencing having a closed cell structure and made from chlorinated pvc and glass fibers (abstract, column 11, lines 64-65). Detterman does not specifically disclose the shape of the foam material. Andres, however, teaches a deck plank member comprising a top surface, a concave bottom surface, a first side surface, and a second side surface. The first and second side surfaces are substantially orthogonal to the top surface (figures 1-2). Andres discloses the concave surface of the bottom surface defining a continuous art between the

first side surface and second side surface. Andres teaches the deck plank having four rounded corners. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the decking having the shape as taught by Andres because such design is known in the decking plank art and Andres provides necessarily to practice the invention of Detterman.

Detterman discloses the foam composition comprising a pvc with the amount within the claimed range (table 1). Detterman discloses the glass fiber added with an effective amount for the intended purpose (column 12, lines 9-13). Detterman does not specifically disclose the amount of the glass fiber. Therefore, in the absence of unexpected results, it would have been obvious to one having ordinary skill in the art at the time the invention was made to employ the glass fiber with an amount instantly claimed motivated by the desire to increase the mechanical strength of the foam material. This is in line with *In re Aller*, 105 USPQ 233, which holds that discovering the optimum or workable ranges involves only routine skill in the art.

Detterman discloses the blowing agent being sodium bicarbonate and azodicarbonamide. Detterman discloses the amount of the blowing agent can be varied to obtain the desired specific gravity of the foam material (column 12, lines 30-34). Detterman does not specifically disclose the amount of the blowing agent. Therefore, in the absence of unexpected results, it would have been obvious to one having ordinary skill in the art at the time the

invention was made to employ the blowing agent with an amount instantly claimed motivated by the desire to obtain the desired specific gravity of the foam material. This is in line with In re Aller, 105 USPQ 233, which holds that discovering the optimum or workable ranges involves only routine skill in the art.

Neither Detterman nor Andres teaches or suggests the processing steps recited in the claims. However, it is a product-by-process limitation not as yet shown to produce a patentably distinct article. It is the examiner's position that the article of Detterman as modified by Andres is identical to or only slightly different than the claimed article prepared by the method of the claim, because both articles are formed from the same materials, having structural similarity (see discussion above). Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or an obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process. In re Thorpe, 227 USPQ 964, 966 (Fed. Cir. 1985). The burden has been shifted to the applicant to show unobvious differences between the claimed product and the prior art product. In re Marosi, 218 USPQ 289,291 (Fed. Cir. 1983). It is noted that if the applicant intends to rely on Examples in the specification or in a submitted Declaration to show non-obviousness, the

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applicant should clearly state how the Examples of the present invention are commensurate in scope with the claims and how the Comparative Examples are commensurate in scope with Detterman/Andres.

5. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) as applied to claim 2 above, further in view of Channey et al (Des. 422,718). Andres does not teach the deck plank having the bottom surface defining an arc of substantially constant radius. Channey, however, teaches a deck plank having the bottom surface defining an arc of substantially constant radius. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the decking having the bottom surface defining an arc of substantially constant radius because such an arc is one of the possible designs for the decking.
6. Claims 35-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) as applied to claim 34 above, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent. Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the physical blowing agent to

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generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.

7. Claims 40-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) as applied to claim 34 above, further in view of Patterson et al (US 6,784,230). Detterman does not teach the amount of the blowing agent and the use of citric acid as a blowing agent. Patterson, however, teaches a foam composition for use in fencing comprising up to 3% by weight of the blowing agent such as citric acid (column 10, lines 25-26, and column 4, lines 57-58). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the chemical blowing agent in the amount instantly claimed motivated by the desire to obtain the desired specific gravity of the foam material.
8. Claims 18, 19, 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) and Guntherberg et al (US 6,566,436). See discussion in the paragraph no. 4. Detterman does not specifically disclose the glass fiber diameter. Guntherberg, however, teaches a molded article for use in fencing comprising reinforcing glass fibers with the fiber diameter in the range from 6 to 20 microns (column 12, lines 1-2). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to



use the glass fiber with the fiber diameter as taught by Guntherberg motivated by the desire to obtain an ease of processing and handling of the materials in addition to increasing the mechanical strength of the foam material.

9. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) and Guntherberg et al (US 6,566,436) as applied to claim 18, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent. Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the physical blowing agent to generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.
10. Claims 18-21, 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) and Ittel (US 2005/0058822). See discussion in the paragraph no. 4. Detterman does not specifically disclose the length and the size of the glass fiber. Ittel, however, teaches a foam composition for use in fencing comprising reinforcing glass fibers with the fiber length in the range from 0.001 to 0.03 microns or 25 to 762 microns [0038], [0078]. Ittel teaches the

glass fibers having an L/D aspect ratio from 20 to 1000 [0037]. Likewise, the glass fiber has a fiber diameter in the range overlapping with the claimed range. It appears that the bulk density of the glass fiber is dictated by the fiber size and fiber length. Therefore, it is not seen that the bulk density would be outside the claimed range as the fiber size and fiber length are within the claimed ranges. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the glass fiber with the length, size and the bulk density as taught by Ittel motivated by the desire to obtain an ease of processing and handling of the materials in addition to increasing the mechanical strength of the foam material.

11. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Andres (Des 426,320) and Ittel (US 2005/0058822) as applied to claim 18, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent. Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the physical blowing agent to generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.

12. Claims 1, 2, 5-8, 34, 40-42 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677). Detterman discloses a foam material for use in fencing having a closed cell structure and made from chlorinated pvc and glass fibers (abstract, column 11, lines 64-65). Detterman does not specifically disclose the shape of the foam material. Cantley, however, teaches a fence panel comprising a top surface, a concave bottom surface, a first side surface, and a second side surface. The first and second side surfaces are substantially orthogonal to the top surface (figures 10-17, column 5, lines 44-46). Cantley discloses the concave surface of the bottom surface defining a continuous arc between the first side surface and second side surface. Andres teaches the deck plank having four rounded corners. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the fence panel having the shape as taught by Cantley because such design is known in the fence post art and Cantley provides necessarily to practice the invention of Detterman.

Detterman discloses the foam composition comprising a pvc with the amount within the claimed range (table 1). Detterman discloses the glass fiber added with an effective amount for the intended purpose (column 12, lines 9-13). Detterman does not specifically disclose the amount of the glass fiber. Therefore, in the absence of unexpected results, it would have been obvious to one having ordinary skill in the art at the time the invention was

made to employ the glass fiber with an amount instantly claimed motivated by the desire to increase the mechanical strength of the foam material. This is in line with *In re Aller*, 105 USPQ 233, which holds that discovering the optimum or workable ranges involves only routine skill in the art.

Detterman discloses the blowing agent being sodium bicarbonate and azodicarbonamide. Detterman discloses the amount of the blowing agent can be varied to obtain the desired specific gravity of the foam material (column 12, lines 30-34). Detterman does not specifically disclose the amount of the blowing agent. Therefore, in the absence of unexpected results, it would have been obvious to one having ordinary skill in the art at the time the invention was made to employ the blowing agent with an amount instantly claimed motivated by the desire to obtain the desired specific gravity of the foam material. This is in line with *In re Aller*, 105 USPQ 233, which holds that discovering the optimum or workable ranges involves only routine skill in the art.

Neither Detterman nor Cantley teaches or suggests the processing steps recited in the claims. However, it is a product-by-process limitation not as yet shown to produce a patentably distinct article. It is the examiner's position that the article of Detterman as modified by Cantley is identical to or only slightly different than the claimed article prepared by the method of the claim, because both articles are formed from the same materials, having structural similarity (see discussion above). Even though product-by-process

claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or an obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process. *In re Thorpe*, 227 USPQ 964, 966 (Fed. Cir. 1985). The burden has been shifted to the applicant to show unobvious differences between the claimed product and the prior art product. *In re Marosi*, 218 USPQ 289,291 (Fed. Cir. 1983). It is noted that if the applicant intends to rely on Examples in the specification or in a submitted Declaration to show non-obviousness, the applicant should clearly state how the Examples of the present invention are commensurate in scope with the claims and how the Comparative Examples are commensurate in scope with Detterman/Cantley.

13. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) as applied to claim 2 above, further in view of Channey et al (Des. 422,718). Cantley does not teach the deck plank having the bottom surface defining an arc of substantially constant radius. Channey, however, teaches a deck plank having the bottom surface defining an arc of substantially constant radius. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the decking having the bottom

surface defining an arc of substantially constant radius because such an arc is one of the possible designs for the decking.

14. Claims 35-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) as applied to claim 34 above, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent. Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the physical blowing agent to generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.

15. Claims 40-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) as applied to claim 34 above, further in view of Patterson et al (US 6,784,230). Detterman does not teach the amount of the blowing agent and the use of citric acid as a blowing agent. Patterson, however, teaches a foam composition for use in fencing comprising up to 3% by weight of the blowing agent such as citric acid (column 10, lines 25-26, and column 4, lines 57-58). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention

was made to use the chemical blowing agent in the amount instantly claimed motivated by the desire to obtain the desired specific gravity of the foam material.

16. Claims 18, 19, 23 and 24 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) and Guntherberg et al (US 6,566,436). See discussion in the paragraph no.

12. Detterman does not specifically disclose the glass fiber diameter.

Guntherberg, however, teaches a molded article for use in fencing comprising reinforcing glass fibers with the fiber diameter in the range from 6 to 20 microns (column 12, lines 1-2). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the glass fiber with the fiber diameter as taught by Guntherberg motivated by the desire to obtain an ease of processing and handling of the materials in addition to increasing the mechanical strength of the foam material.

17. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Detterman (US 5,789,453) in view of Cantley (6,848,677) and Guntherberg et al (US 6,566,436) as applied to claim 18, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent.

Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having

ordinary skill in the art at the time the invention was made to use the physical blowing agent to generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.

18. Claims 18-21, 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) and Ittel (US 2005/0058822). See discussion in the paragraph no. 12.
- Detterman does not specifically disclose the length and the size of the glass fiber. Ittel, however, teaches a foam composition for use in fencing comprising reinforcing glass fibers with the fiber length in the range from 0.001 to 0.03 microns or 25 to 762 microns [0038], [0078]. Ittel teaches the glass fibers having an L/D aspect ratio from 20 to 1000 [0037]. Likewise, the glass fiber has a fiber diameter in the range overlapping with the claimed range. It appears that the bulk density of the glass fiber is dictated by the fiber size and fiber length. Therefore, it is not seen that the bulk density would be outside the claimed range as the fiber size and fiber length are within the claimed ranges. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the glass fiber with the length, size and the bulk density as taught by Ittel motivated by the desire to obtain an ease of processing and handling of the materials in addition to increasing the mechanical strength of the foam material.



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19. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Detterman (US 5,789,453) in view of Cantley (6,848,677) and Ittel (US 2005/0058822) as applied to claim 18, further in view of Koffler et al (US 6,818,676). Detterman does not teach the use of the physical blowing agent. Koffler, however, teaches a foam composition for use in fencing having a specific gravity up to 0.9 and made from a physical blowing agent such as nitrogen, CO<sub>2</sub>, CFC and butanes (column 7, line 60 to column 8, lines 1-20, column 15, lines 5-10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the physical blowing agent to generate the voids of the foam material because such is intended use of the material and Koffler provides necessary details to practice the invention of Detterman.

### ***Double Patenting***

20. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

21. Claims 1, 2, 5-8, 18-24, and 34-44 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-28 of copending Application No. 10/001,730 in view of Andres (Des 426,320). Claims 1-28 of copending Application No. 10/001,730 disclose a foam material as a structural member having a closed cell structure and made from PVC and glass fibers. Copending Application No. 10/001,730 does not specifically disclose the shape of the foam material. Andres, however, teaches a deck plank member comprising a top surface, a concave bottom surface, a first side surface, and a second side surface. The first and second side surfaces are substantially orthogonal to the top surface (figures 1-2). Andres discloses the concave surface of the bottom surface defining a continuous art between the first side surface and second side surface. Andres teaches the deck plank having four rounded corners. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the decking having the shape as taught by Andres because such design is known in the decking plank art and Andres provides necessarily to practice the invention of copending Application No. 10/001,730.

None of the cited references discloses or suggests the processing steps recited in the claims. However, it is a product-by-process limitation not as yet shown to produce a patentably distinct article. It is the examiner's position that the article of copending Application No. 10/001,730 as modified

by Andres is identical to or only slightly different than the claimed article prepared by the method of the claim, because both articles are formed from the same materials, having structural similarity. Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or an obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process. *In re Thorpe*, 227 USPQ 964, 966 (Fed. Cir. 1985). The burden has been shifted to the applicant to show unobvious differences between the claimed product and the prior art product. *In re Marosi*, 218 USPQ 289,291 (Fed. Cir. 1983). It is noted that if the applicant intends to rely on Examples in the specification or in a submitted Declaration to show non-obviousness, the applicant should clearly state how the Examples of the present invention are commensurate in scope with the claims and how the Comparative Examples are commensurate in scope with the US Application No. 10/001,730 and Andres.

22. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over claims 1-28 of copending Application No. 10/001,730 in view of Andres (Des 426,320) as applied to claim 2 above, further in view of Channey et al (Des. 422,718). Andres does not teach the deck plank having the bottom surface defining an arc of substantially constant radius. Channey, however,

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teaches a deck plank having the bottom surface defining an arc of substantially constant radius. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the decking having the bottom surface defining an arc of substantially constant radius because such an arc is one of the possible designs for the decking.

This is a provisional obviousness-type double patenting rejection.

***Conclusion***

23. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Vo whose telephone number is (571) 272-1485. The examiner can normally be reached on M,T,Th, F, 7:00-4:30 and on alternating Wednesdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (571) 272-1478. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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